FIG. 1

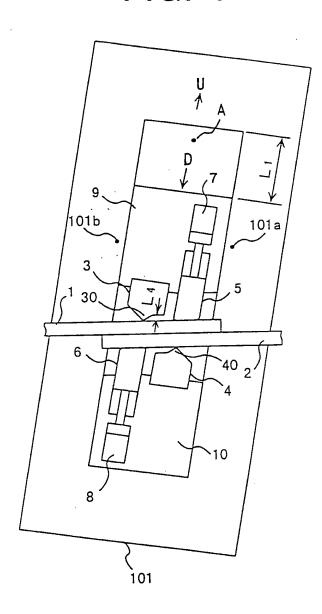
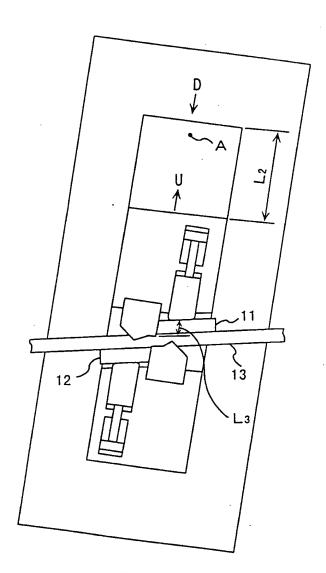


FIG. 2



STROKE: L3 = L2 - L1 - L4

FIG. 3

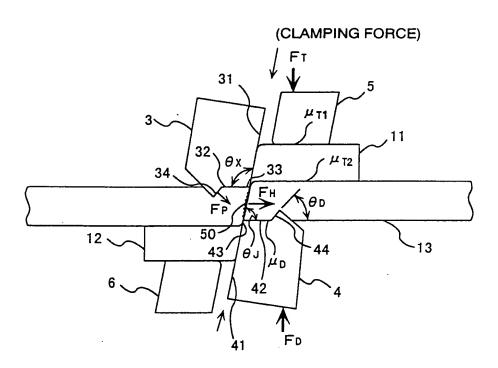
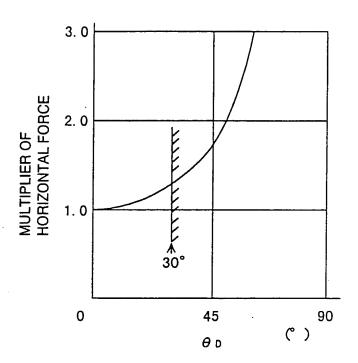


FIG. 4



ngyario <u>totun</u>n

FIG. 5

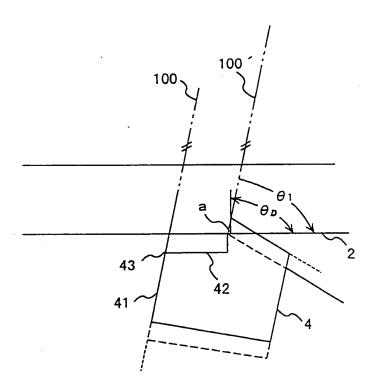


FIG. 6

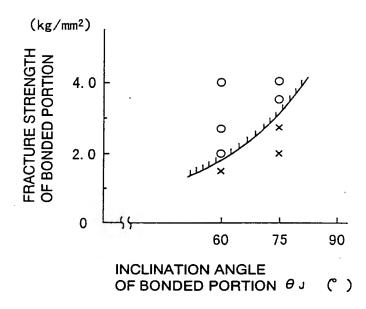
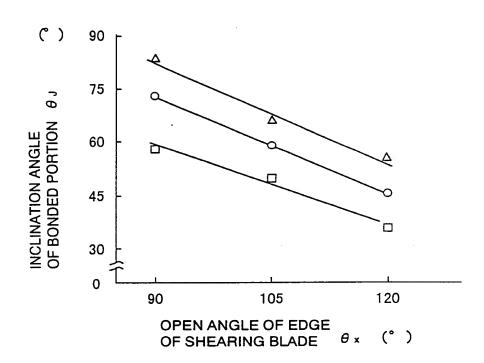
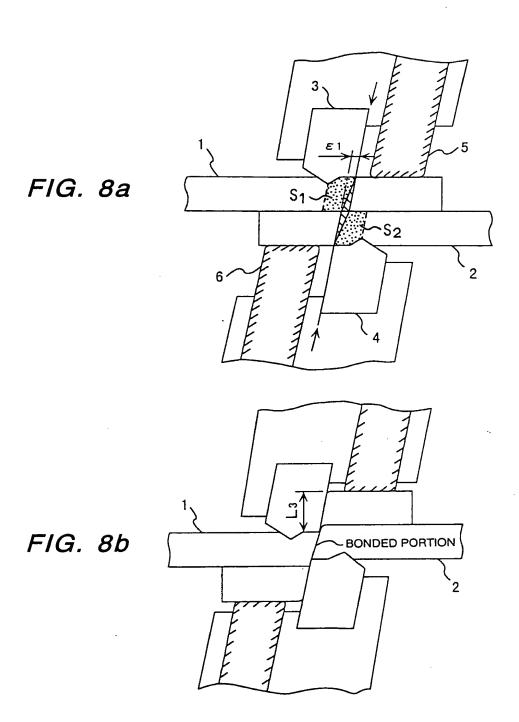
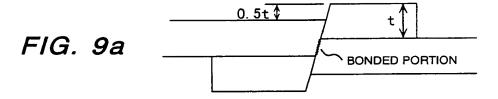
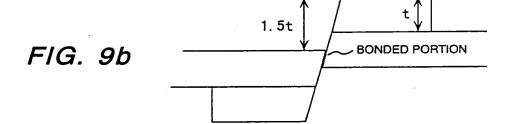


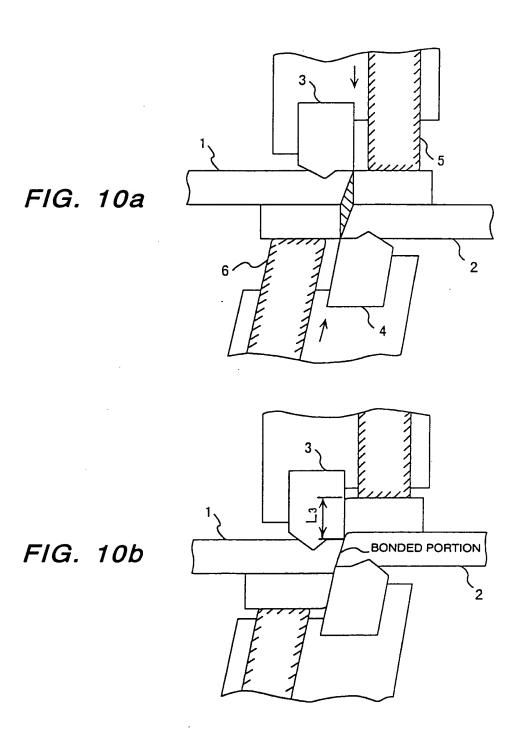
FIG. 7











MAIN CRANKSHAFT LOWER SHEARING BLADE LOCUS UPPER ECCENTRIC SHAFT UPPER SHEARING BLADE LOCUS FIG. 11a LOWER ECCEN-TRIC SHAFT SYNCHRONIZ-OSCILLATION

FIG. 12

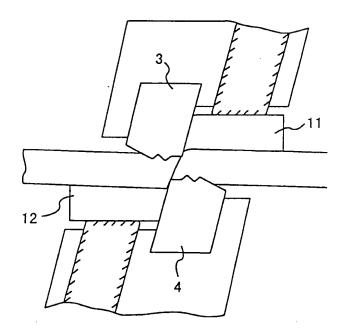


FIG. 13

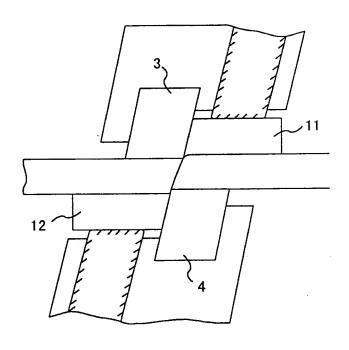


FIG. 14

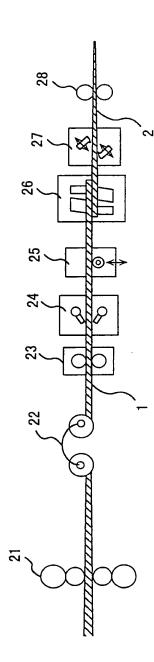


FIG. 15

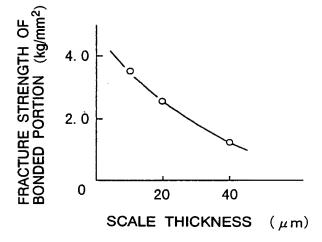


FIG. 16a

FIG. 16b

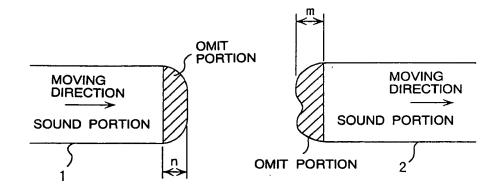


FIG. 16c

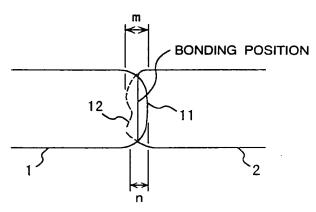


FIG. 16d

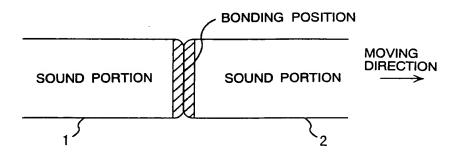


FIG. 17

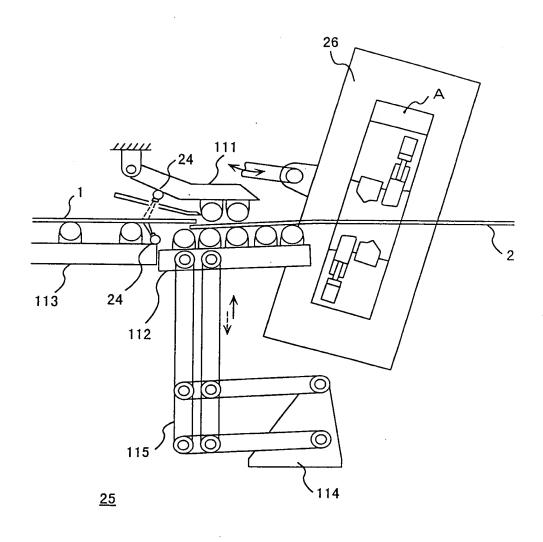


FIG. 18

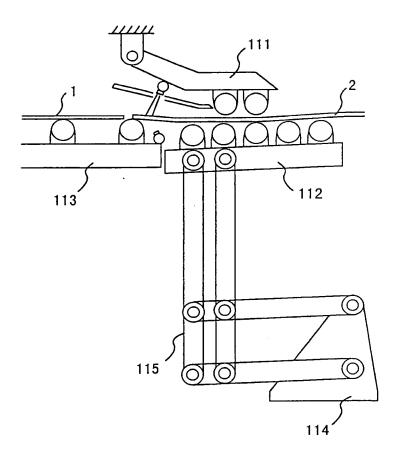


FIG. 19

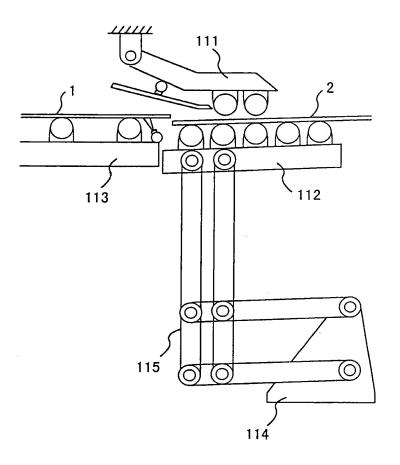


FIG. 20

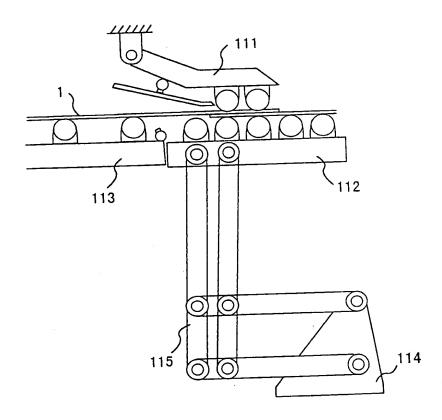


FIG. 21a

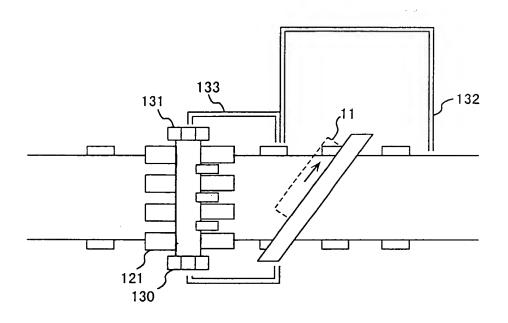


FIG. 21b

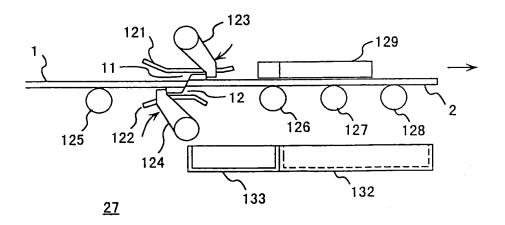


FIG. 22a

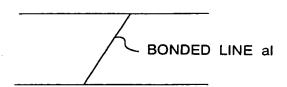


FIG. 22b



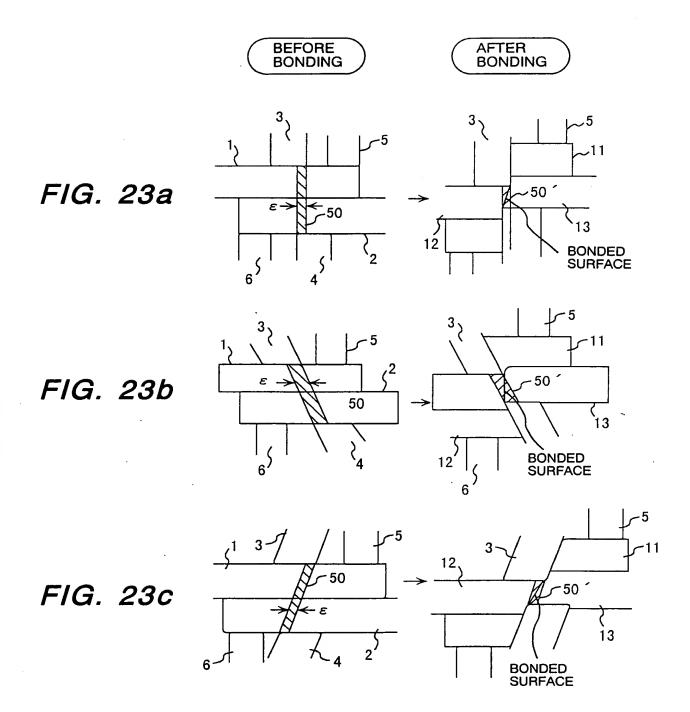


FIG. 24

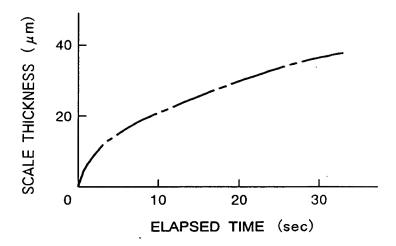


FIG. 25

